

Resolved Inner Disks Around Young Stars

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We have observed 14 Herbig Ae/Be (HAEBE) sources with the long-baseline near-IR Palomar Testbed Interferometer. All except two sources are resolved at $2.2\ \mu\text{m}$, with angular sizes generally < 5 milli-arcseconds, and most sources display significantly inclined morphologies. We compare these interferometric data with broadband SEDs in order to further constrain inner disk geometries and temperatures, and find that early-type HAEBEs display different inner disk structure than later-type sources. In addition, we compare our results for the inner disks with millimeter interferometric observations of the outer disks, placing constraints on disk warping. More recently, we have observed a small sample of T Tauri stars with the Keck Interferometer. We present some preliminary results of this analysis, including inner disk radii and temperatures.

